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FIRST NAMED INVENTOR ATTORNEY DOCKET NO FILING DATE APPLICATION NO. 09/476,219 884.182US1 R 12/30/99 FITE **EXAMINER** 021186 MM71/0827 SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH HAN, Y PAPER NUMBER **ART UNIT** P.O. BOX 2938 MINNEAPOLIS MN 55402 2838 DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

**Commissioner of Patents and Trademarks** 

08/27/01



# Office Action Summary

Application No. 09/476,219 Applicant(s)

Art Unit

Examiner

Y. J. Han

Fite

2838

The MAILING DATE of this communication appears	on the cover sheet with the correspondence address
Period for Reply	
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET THE MAILING DATE OF THIS COMMUNICATION.	TO EXPIRE 3 MONTH(S) FROM
<ul> <li>Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication.</li> </ul>	ation.
<ul> <li>If the period for reply specified above is less than thirty (30) days, be considered timely.</li> </ul>	a reply within the statutory minimum of thirty (30) days will
	period will apply and will expire SIX (6) MONTHS from the mailing date of this
• • • • • • • • • • • • • • • • • • • •	statute, cause the application to become ABANDONED (35 U.S.C. § 133). mailing date of this communication, even if timely filed, may reduce any
Status	
1) Responsive to communication(s) filed on 11 Jul 20	01
2a) ☐ This action is <b>FINAL</b> . 2b) ☑ This act	ion is non-final.
3) Since this application is in condition for allowance e closed in accordance with the practice under Ex part	except for formal matters, prosecution as to the merits is rte Quayle, 1935 C.D. 11; 453 O.G. 213.
Disposition of Claims	
4) 💢 Claim(s) <u>1-16</u>	is/are pending in the application.
4a) Of the above, claim(s)	is/are withdrawn from consideration.
5) Claim(s)	is/are allowed.
6) 💢 Claim(s) <u>1-16</u>	is/are rejected.
7) Claim(s)	is/are objected to.
8) Claims	are subject to restriction and/or election requirement.
Application Papers	
9) The specification is objected to by the Examiner.	
10) The drawing(s) filed on 29 Jan 2001 is/are	objected to by the Examiner.
11) The proposed drawing correction filed on	is: a) □ approved b) □ disapproved.
12) The oath or declaration is objected to by the Exami	ner.
Priority under 35 U.S.C. § 119	
13) Acknowledgement is made of a claim for foreign page 13.	riority under 35 U.S.C. § 119(a)-(d).
a) ☐ All b) ☐ Some* c) ☐ None of:	
1. $\square$ Certified copies of the priority documents hav	e been received.
2. Certified copies of the priority documents have been received in Application No	
application from the International Bure	
*See the attached detailed Office action for a list of the certified copies not received.	
14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).	
Attachment(s)	
15) Notice of References Cited (PTO-892)	18) Interview Summary (PTO-413) Paper No(s).
16) Notice of Draftsperson's Patent Drawing Review (PTO-948)	19) Notice of Informal Patent Application (PTO-152)
17) Information Disclosure Statement(s) (PTO-1449) Paper No(s).	20) Other:

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### Drawings

1. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the structural limitations, such as, sensing, adjusting, adding, and subtracting, as cited in claims 1 and 6-12 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

## Claim Rejections - 35 USC § 112

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to <u>enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.</u>

3. Claims 1-16 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

The specification does not provide support for the claimed limitations, specifically "adjusting the voltage" in claims 1-3 and 7-9, "adding the adjusted voltage signal" in claim 7, "subtracting the adjusted voltage signal" in claim 8, and "the module further operable to provide..." in claims 13-16. It's not understood how and what elements perform to adjust, add, subtract, and operable to provide, so the such claimed results were able to obtained. The diagrams shown in figures 4 and 5 only illustrate the relationship between the voltage and current, and they do not provide support to enable one skilled in the art to which it pertains, or with which it is

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most nearly connected, to make and/or use the invention. Therefore, should applicant believe that the claimed invention is sufficiently described in the specification, applicant is required to point out explicit language in the specification, citing page and line numbers, where such support exists.

### Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

- (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.
- 5. Claims 1-16 are rejected under 35 U.S.C. 102(e) as being fully anticipated by either Hua et al (5,999,433) or Buono (5,949,222).

Both Hua et al and Buono references disclose a DC to DC converter sensing a current drawn from the DC to DC converter and adjusting the voltage in relationship to load current level as cited in the claims.

6. Claims 1-16 are rejected under 35 U.S.C. 102(e) as being fully anticipated by Yang et al (6,130,526).

Yang et al reference disclose a DC to DC converter sensing a current drawn from the DC to DC converter and adjusting the voltage in relationship to load current level as cited in the claims.

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Response to Arguments

7. Applicant's arguments filed on 6/18/2001 have been fully considered but they are not persuasive.

As for the drawing, it is remained objected because the figures 3, 4, and 5 represent only diagrams showing current and voltage relationships, and they do not show any structural relationships of the elements to support the claims to obtain such resulting current voltage relationships. As to the 102 rejections, applicant's arguments fail to comply with 37 CFR 1.111(b) because they amount to a general allegation that the claims define a patentable invention without specifically pointing out how the language of the claims patentably distinguishes them from the references. Also, the Applicant's arguments do not comply with 37 CFR 1.111© because they do not clearly point out the patentable novelty which he or she thinks the claims present in view of the state of the art disclosed by the references cited or the objections made.

8. Any inquiry concerning this communication should be directed to Y. J. Han at telephone number (703) 308-0109. Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-1782. The Group FAX numbers are (703) 305-7724 and 308-7722.

Y. J. Han

**Primary Examiner** 

g.g. Han

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